

COMPONENT	DEVICE	PART N
IC 2.3.102.103	NE 5532	810428
IC 1.4.5.101.104.105	TL072	11E0413
IR 1.101	2N4403	8D0329
LED 1.2	1L6102	JA0001

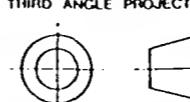
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third party without written permission.

NOTES.

HOLE INDEX.

TOLERANCE.

All Imperial dimensions ± 0.010
All metric dimensions $\pm 0.25\text{mm}$
All angles $\pm 0.50^\circ$
Unless otherwise stated.

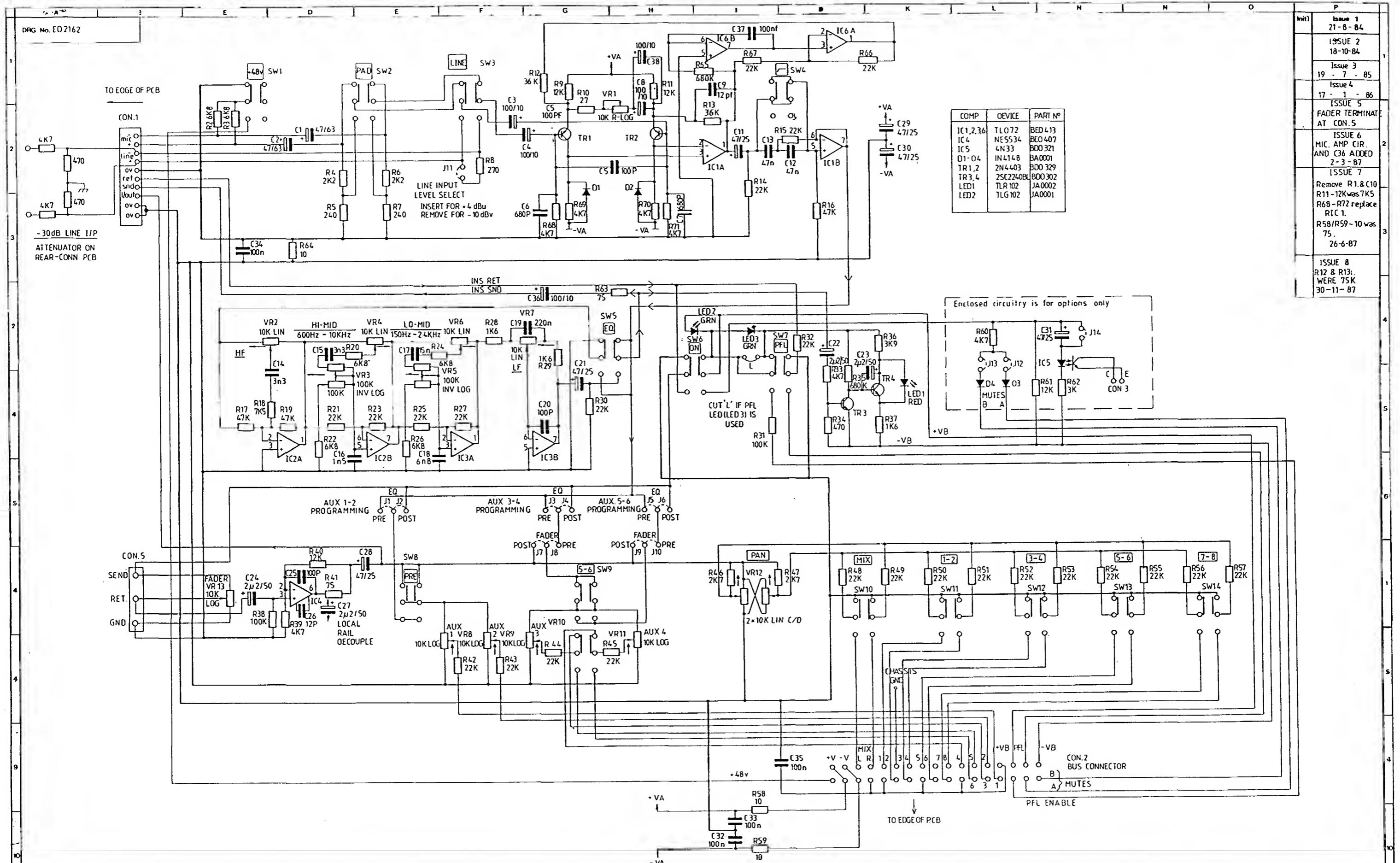


14

SOUNDCRAFT ELECTRONICS LTD.
5-8 GREAT SUTTON STREET
LONDON, EC1V. 0UX.
TELEPHONE. 01-251-3631/2/3
TELEGRAMS. SOUNDCRAFT LDN. EC
TELEX. UK No. 21158. USA No. 01-2202

5500
STANDARD O/P

ED No ED 2176 152-1493 19531



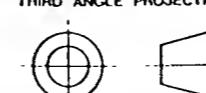
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NOTES. ALL CONNECTORS VIEWED FROM COMPONENT SIDE OF PCB

HOLE INDEX

TOLERANCE:

- All imperial dimensions ± 0.5
- All metric dimensions ± 0.5
- All angles $\pm 0.50^\circ$
- Unless otherwise stated.

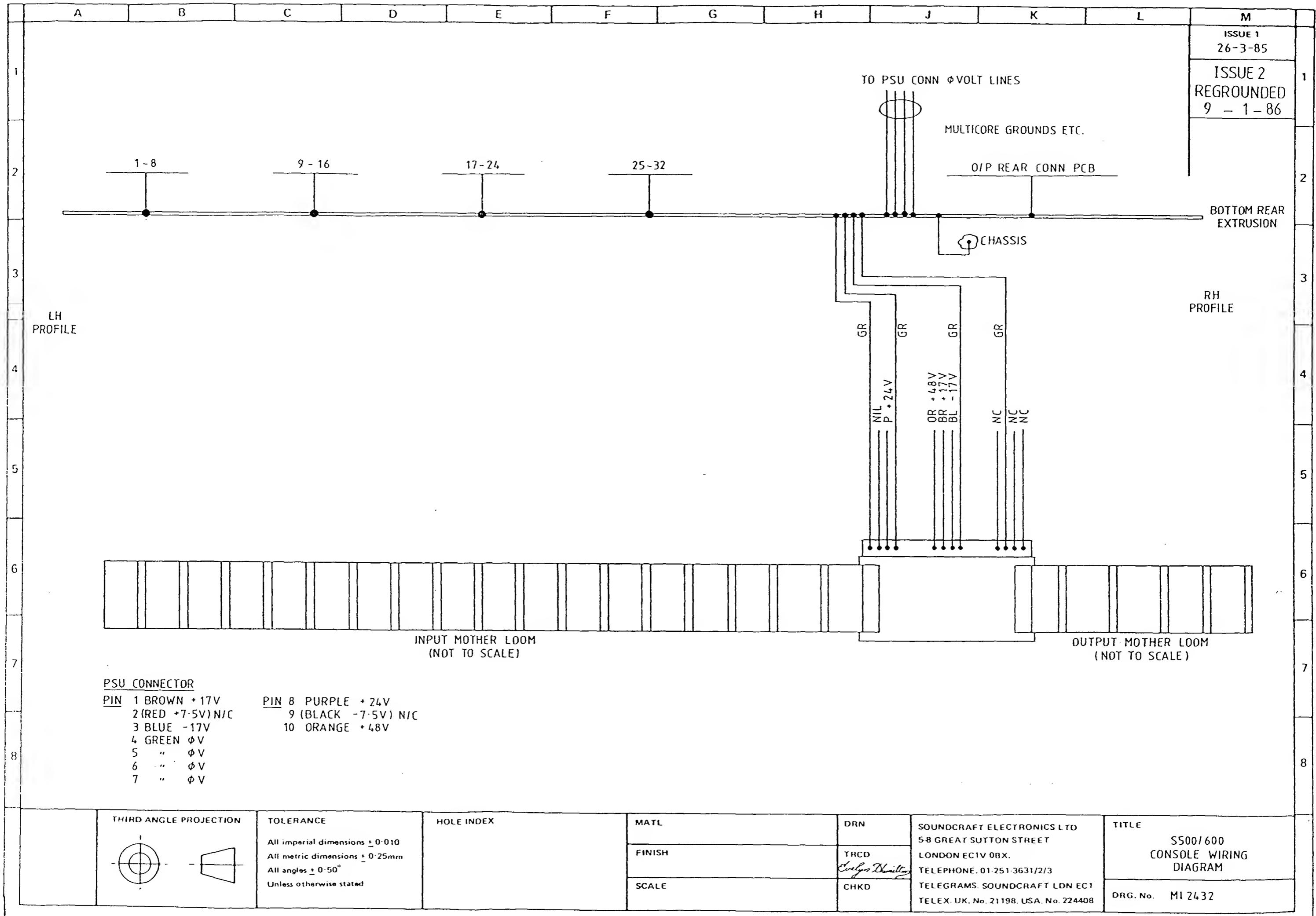


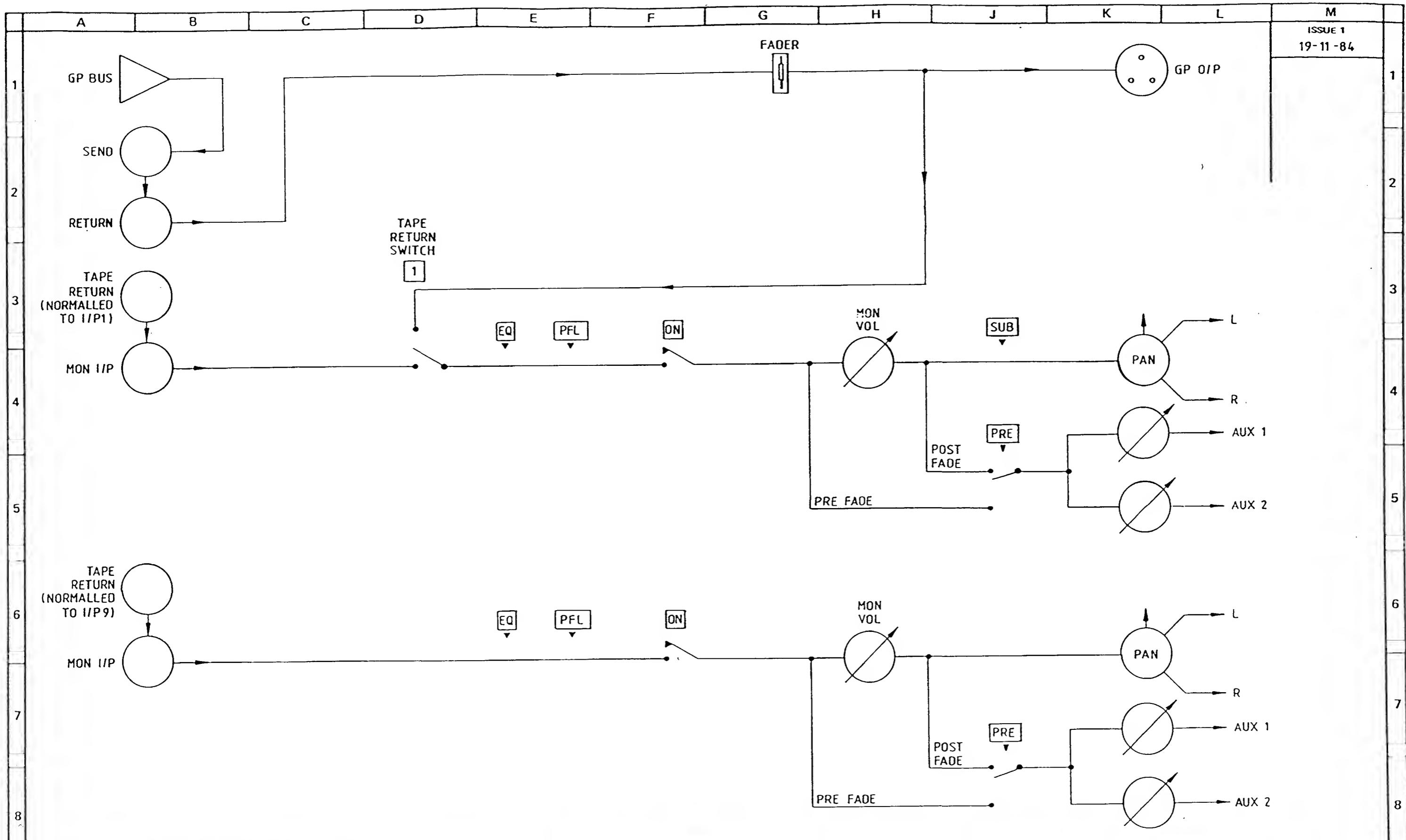
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100

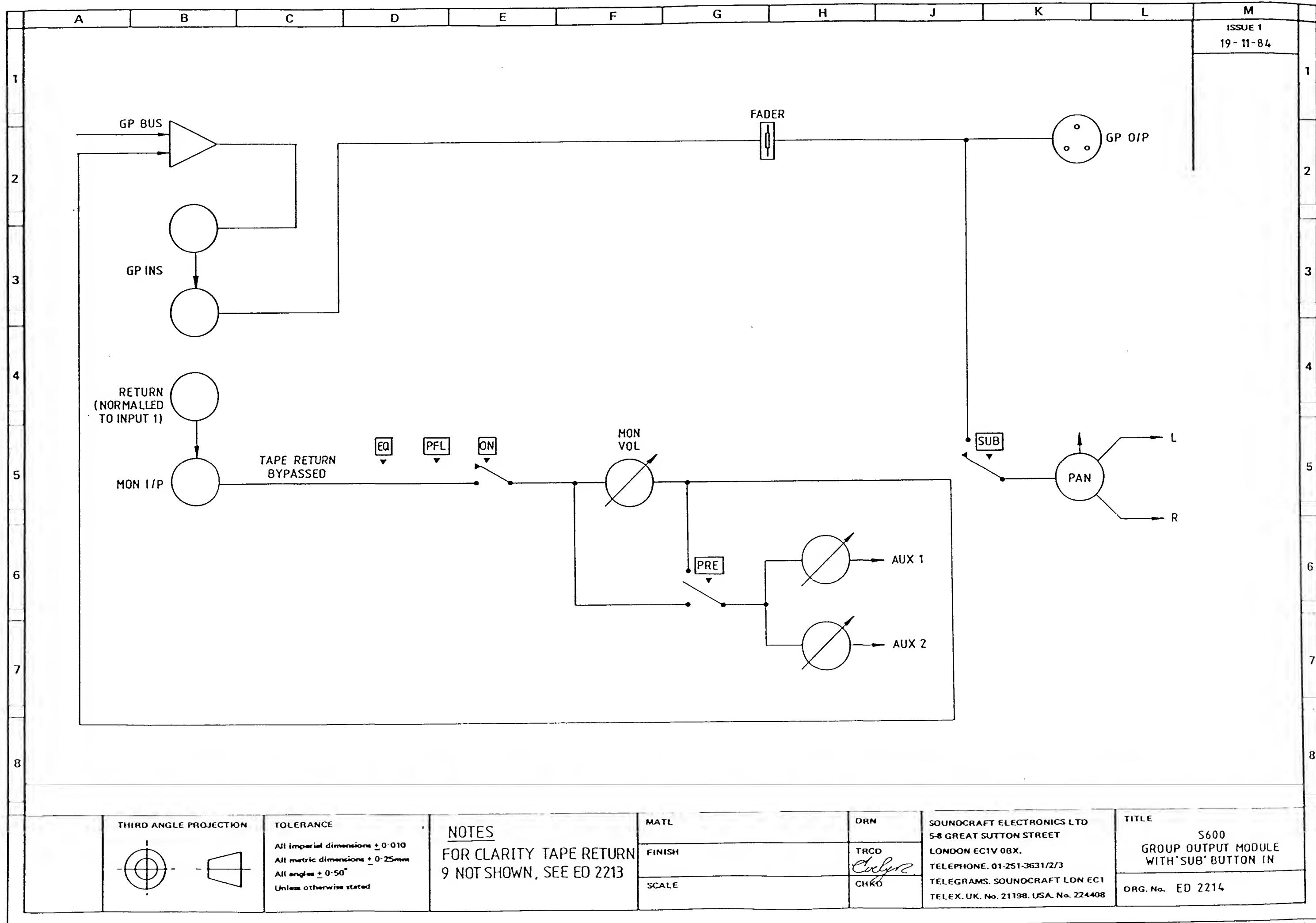
8 GREAT SUTTON STREET
LONDON. EC1V. OBX.
TELEPHONE. 01-251-3631/2/3
TELEGRAMS. SOUNDCRAFT LDN. EC1
ELEX. UK No. 21198. USA No. 01-2203

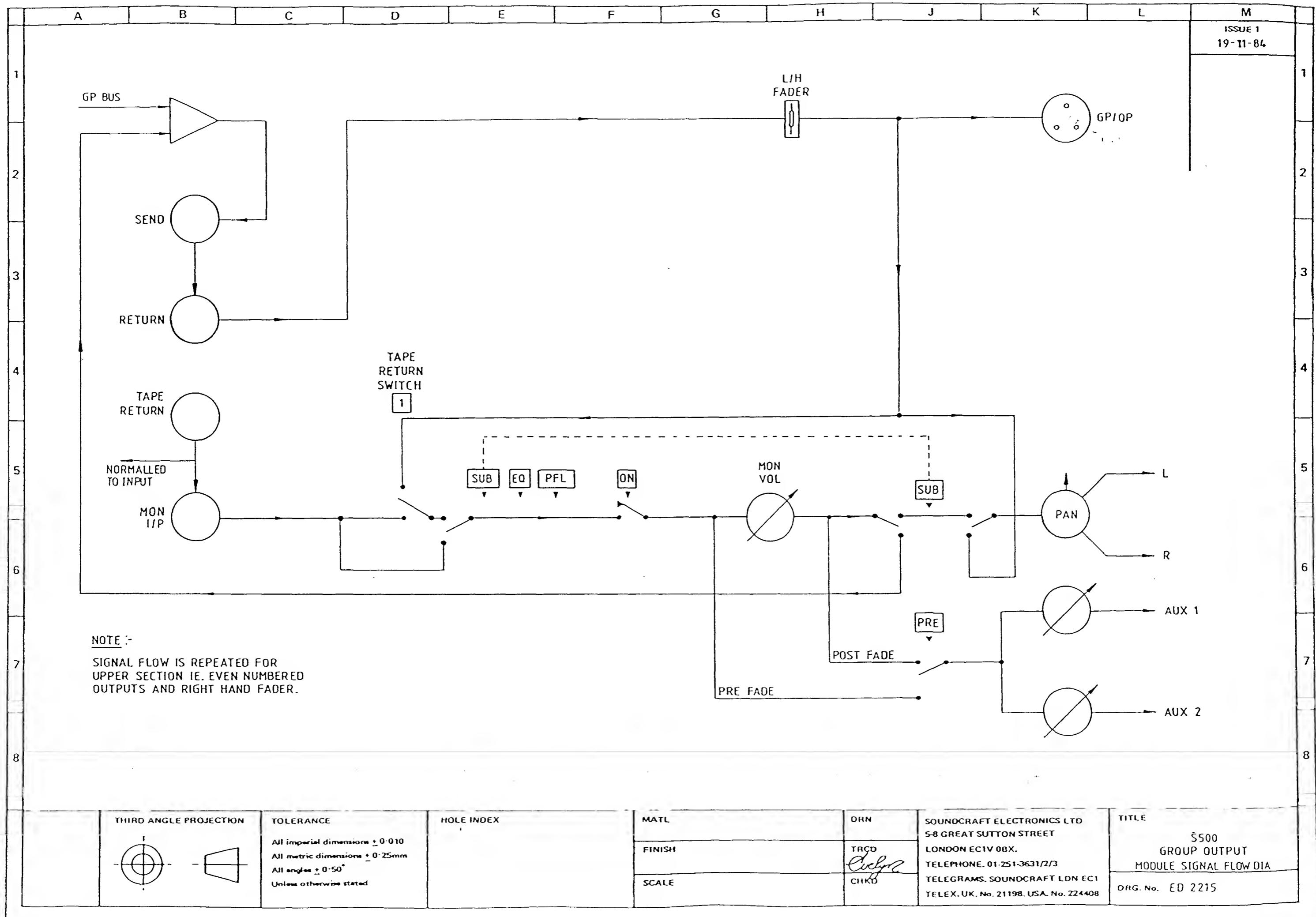
600/600 STO I/P
RCUIT DIAGRAM

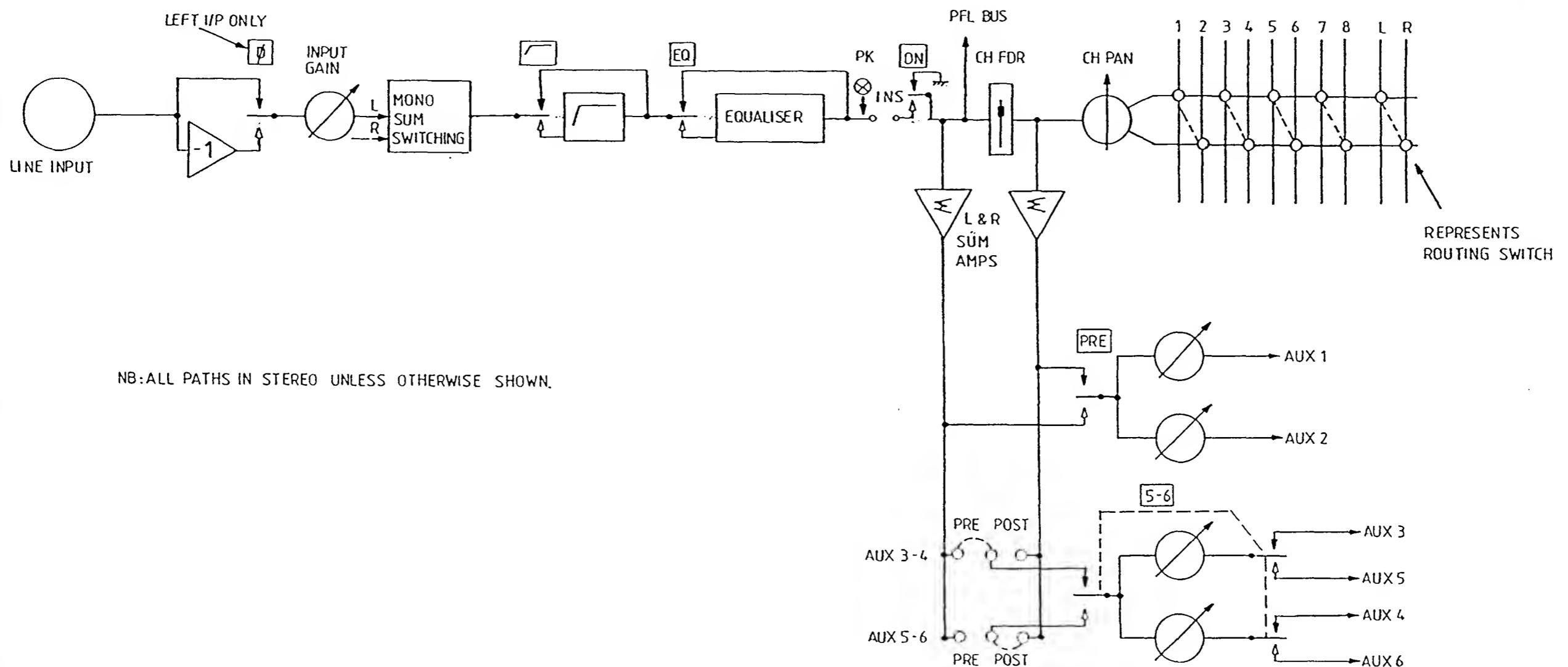


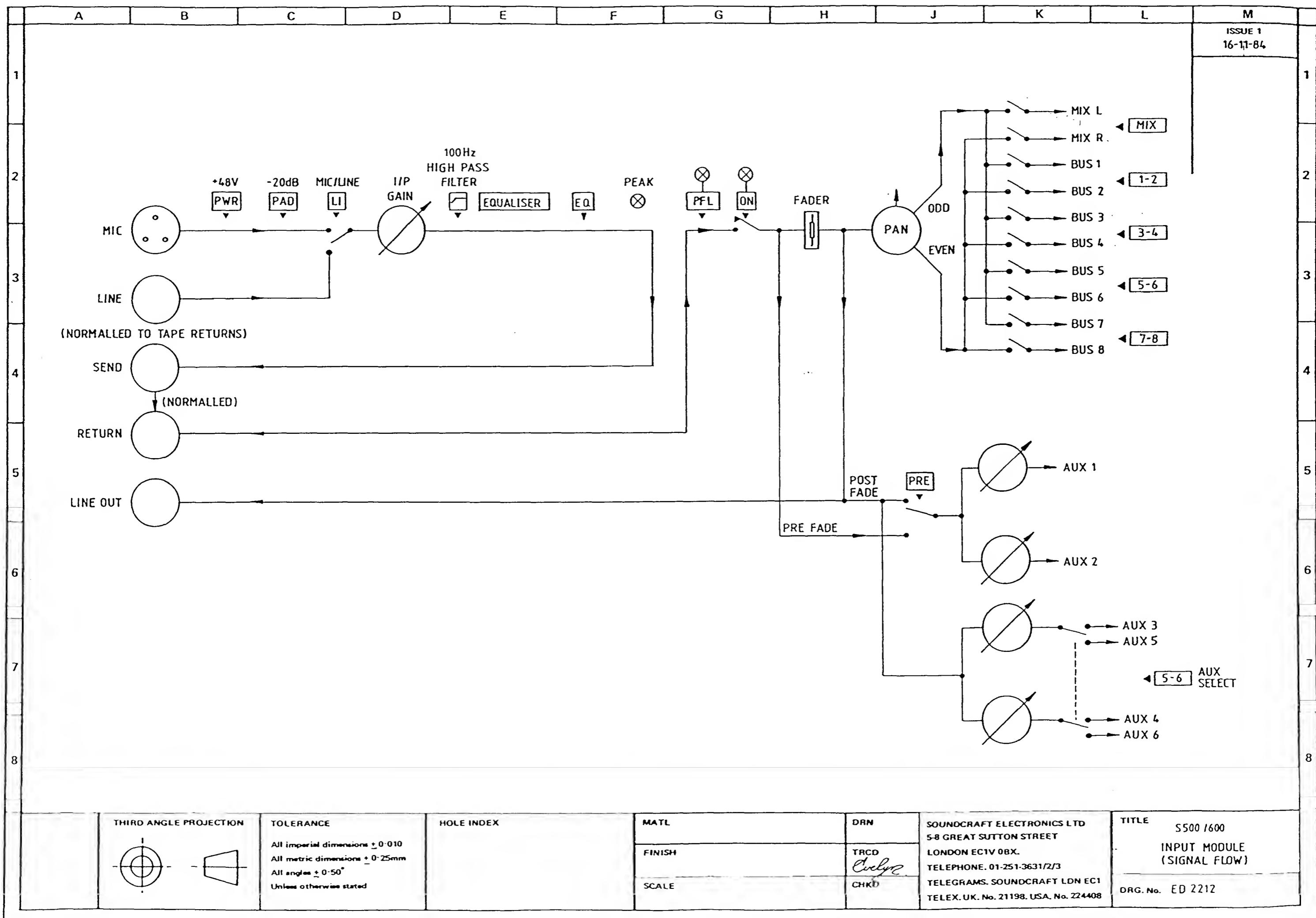


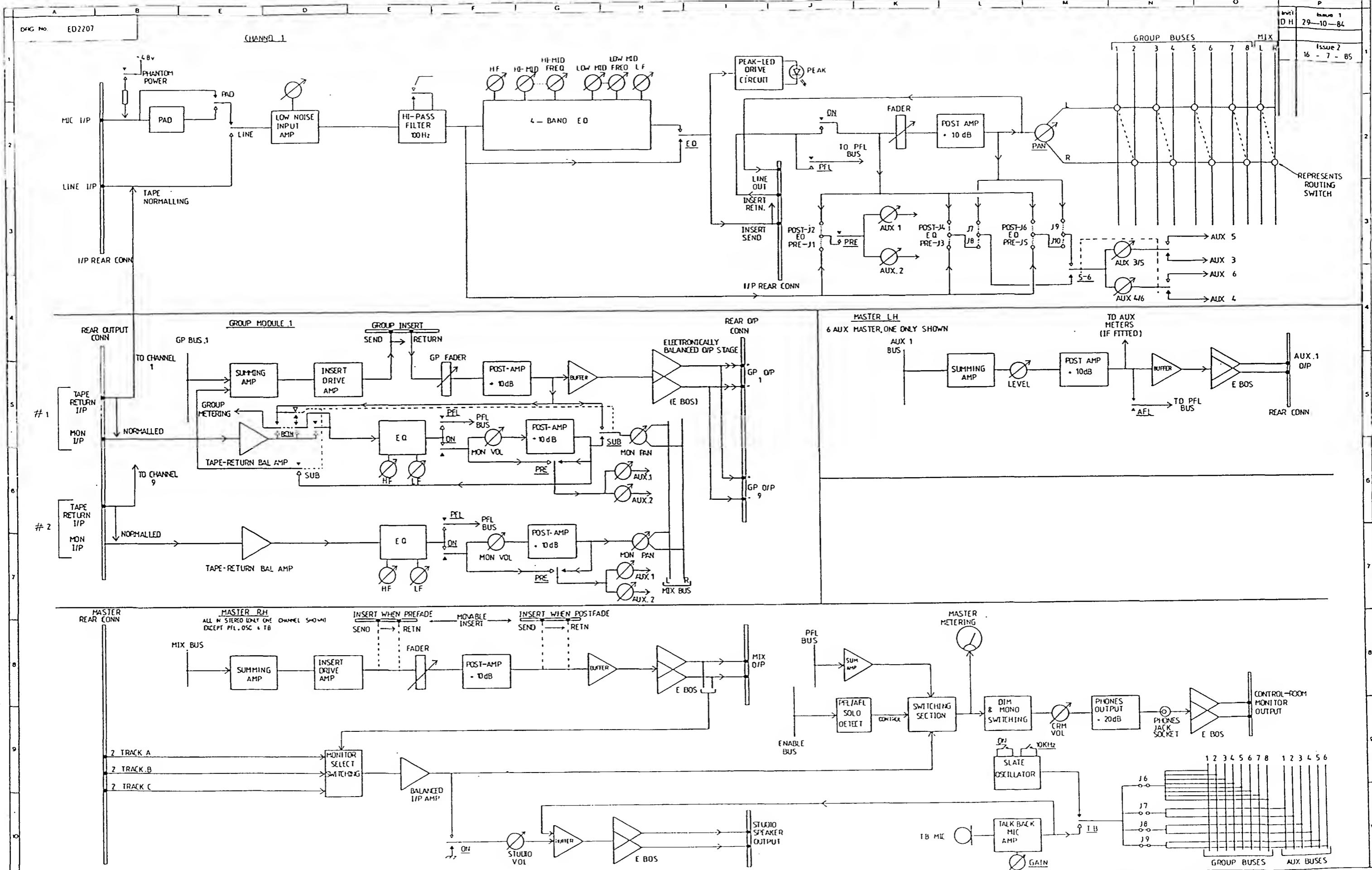
THIRD ANGLE PROJECTION	TOLERANCE All Imperial dimensions ± 0.010 All metric dimensions $\pm 0.25\text{mm}$ All angles $\pm 0.50^\circ$ Unless otherwise stated	HOLE INDEX	MATL	DRN	SOUNDCRAFT ELECTRONICS LTD 5-8 GREAT SUTTON STREET LONDON EC1V 0BX. TELEPHONE. 01-251-3631/2/3 TELEGRAMS. SOUNDCRAFT LON EC1 TELEX. UK. No. 21198. USA. No. 224408	TITLE S600 GROUP OUTPUT MODULE WITHOUT 'SUB' BUTTON IN
			FINISH	TRCO <i>[Signature]</i>	SCALE	ORG. No. EO 2213











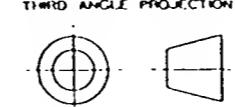
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NOTES.
DETAILS OF GAIN-SWITCHING NOT SHOWN

HOLE INDEX

TOLERANCE.

All imperial dimensions ± 0.010
All metric dimensions $\pm 0.25\text{mm}$
All angles $\pm 0.50^\circ$
(unless otherwise stated)

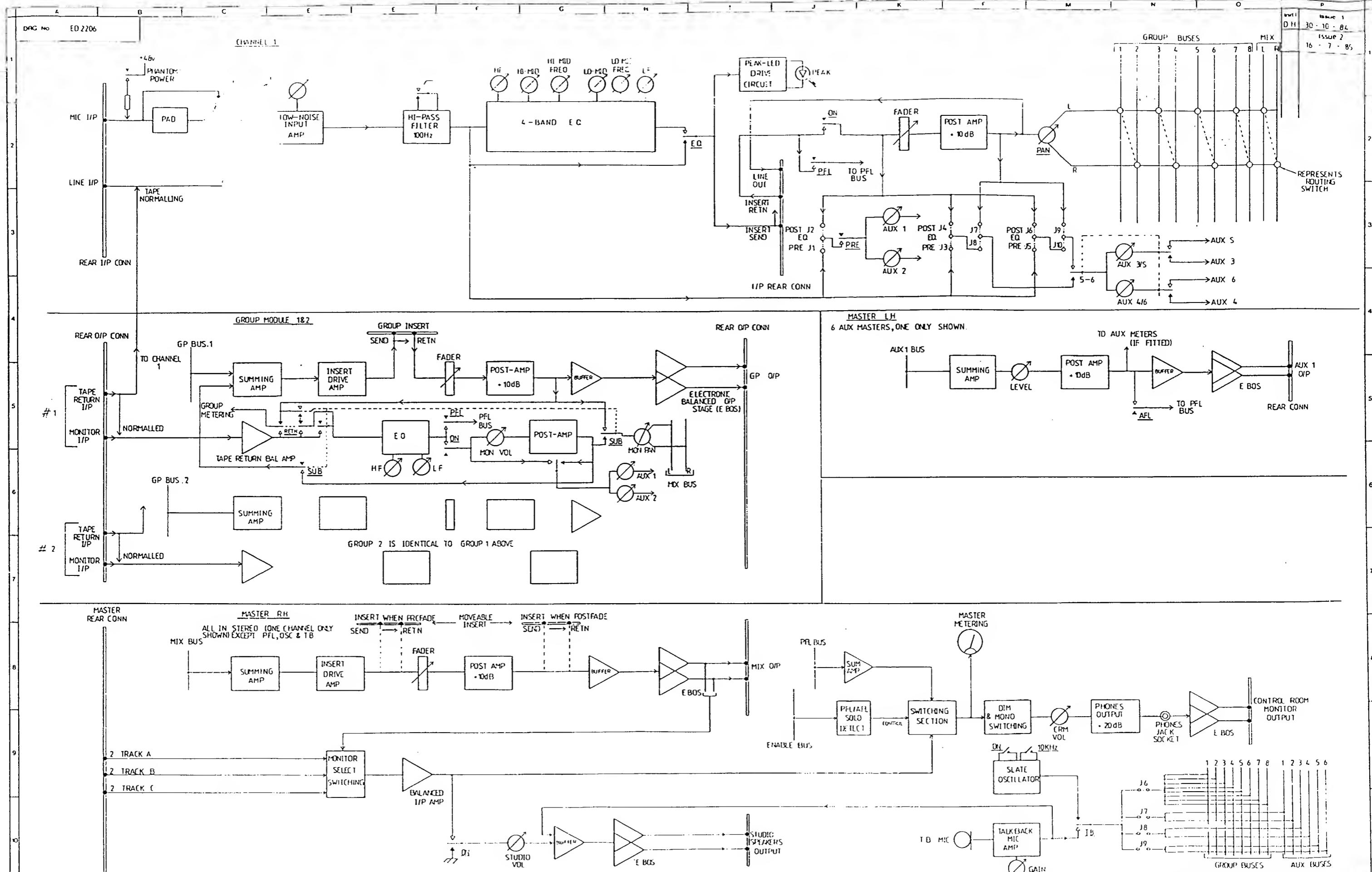


MAIL

Dwg. DH
FINISH
SCALE: CHKD

SOUNDCRAFT ELECTRONICS LTD.
5-8 GREAT SUTTON STREET
LONDON, EC4V, 0BX.
TELEPHONE, 01-251-3631/2/3
TELEGRAMS, SOUNDCRAFT LDN, EC1
TELEX, UK NO. 21198, USA NO. 01-2203

TITLE S600
BLOCK DIAGRAM.
Dwg. NO. ED2207

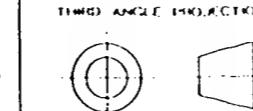


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NOTES
DETAILS OF GAIN SWITCHING NOT SHOWN

HOLE INDEX

TOLERANCE
All internal dimensions ± 0.010
All metric dimensions ± 0.25 mm
All angles $\pm 0.50^\circ$
Unless otherwise stated



MATERIAL

DRAWN BY

CHD

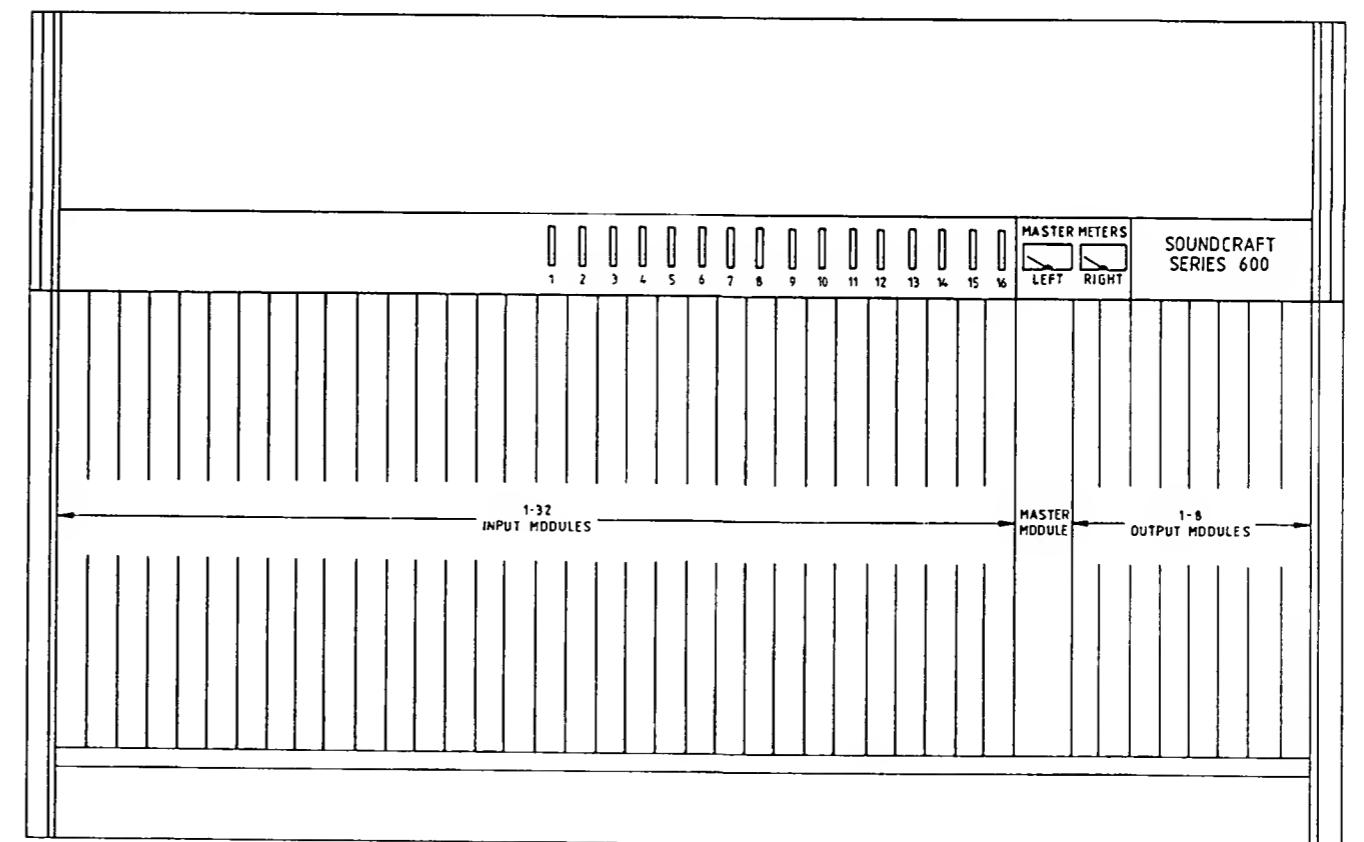
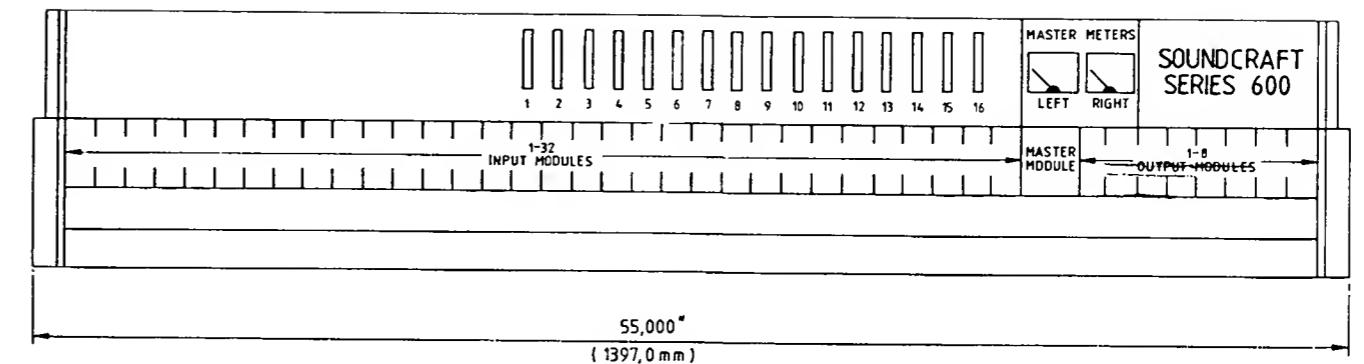
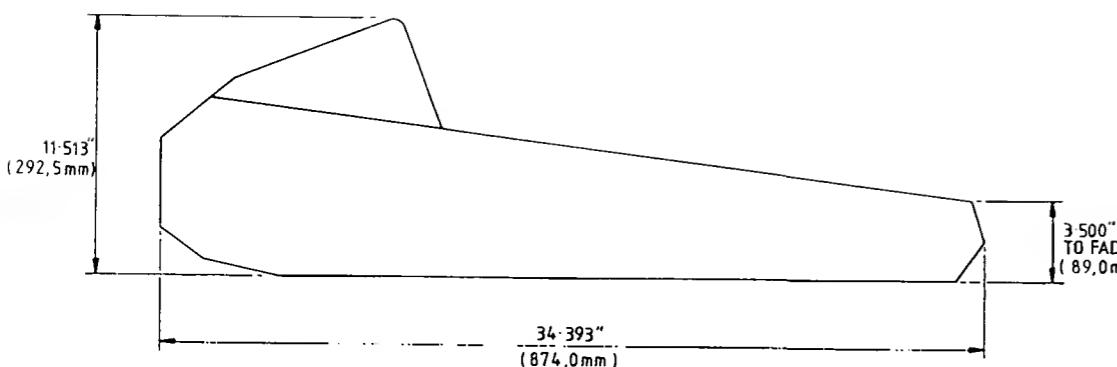
SCALE

OKD

SOUNDCRAFT ELECTRONICS LTD
5-8 GREAT SUTTON STREET
LONDON EC4V 0BX
TELEPHONE 01-251-3631/2/3
TELEGRAMS SOUNDCRAFT LDN EC1
TELELEX UK NO. 21194 USA NO. 01-2203

TITLE 5500
BLOCK DIAGRAM

ED 2206

ISSUE 2
LENGTHS
CHANGED TO
16 I/P 45 INCH
24 I/P 55 INCH
32 I/P 65 INCH
40 I/P 75 INCH
16-7-87ISSUE 3
LENGTHS
CHANGED TO
16 I/P 35 INCH
24 I/P 45 INCH
32 I/P 55 INCH
40 I/P 65 INCH
DG 23-6-89

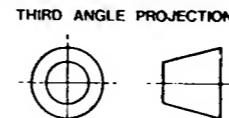
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NOTES.
16 I/P LENGTH = 35,000" (889.0mm)
24 I/P LENGTH = 45,000" (1143.0mm)
40 I/P LENGTH = 65,000" (1651.0mm)

HOLE INDEX.

TOLERANCE.

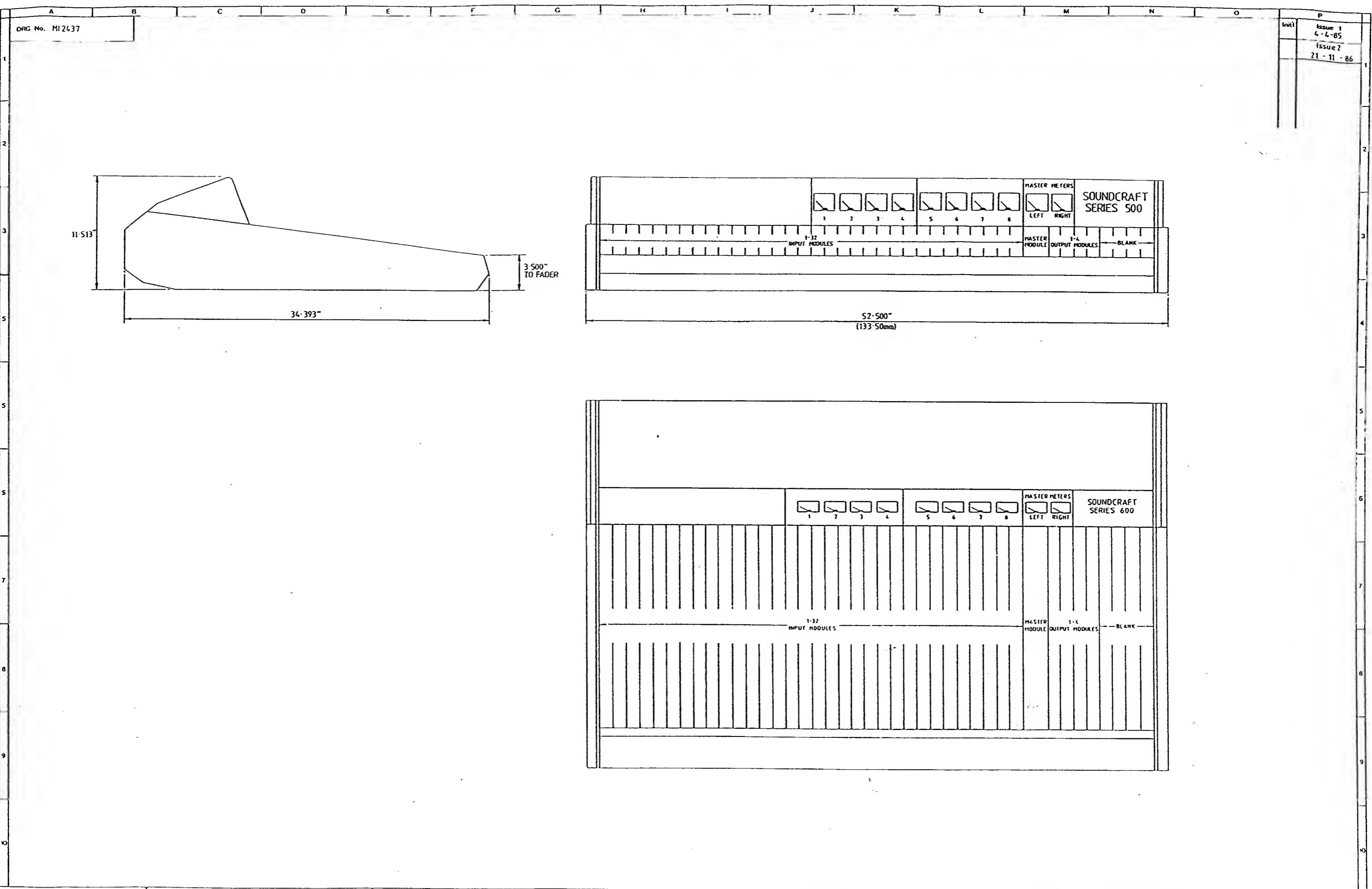
All Imperial dimensions ± 0.010
All metric dimensions $\pm 0.25mm$
All angles $\pm 0.50^\circ$
Unless otherwise stated.



MATL. _____	DRG. <i>John Smith</i>
FINISH. _____	TRCD. _____
SCALE. _____	CHKD. _____

SOUNDCRAFT ELECTRONICS LTD.
5-8 GREAT SUTTON STREET
LONDON. EC1V. 0BX.
TELEPHONE. 01-251-3631/2/3
TELEGRAMS. SOUNDCRAFT LDN. EC1
TELEX. UK No. 21198. USA No. 01-2203

TITLE.
S600
CONSOLE SCHEMATIC
LAYOUT
DRG No. MI2438



PARALLEL 2-TRACK SENDS 2-TRACK RETS

MIX INSERTS MIX OUTPUTS CONTROL ROOM STUDIO OUTPUTS

AUX OUTPUTS 1 2 3 4 5 6 Ø Ø

CHANNEL 1 LINE INSERT LINE LINE CHANNEL 2 LINE INSERT LINE LINE CHANNEL 3 LINE INSERT LINE LINE CHANNEL 4 LINE INSERT LINE LINE

CHANNEL 5 LINE INSERT LINE LINE CHANNEL 8 LINE INSERT LINE LINE CHANNEL 7 LINE INSERT LINE LINE CHANNEL 8 LINE INSERT LINE LINE

CHANNEL 9 LINE INSERT LINE LINE CHANNEL 10 LINE INSERT LINE LINE CHANNEL 11 LINE INSERT LINE LINE CHANNEL 12 LINE INSERT LINE LINE

CHANNEL 13 LINE INSERT LINE LINE CHANNEL 14 LINE INSERT LINE LINE CHANNEL 15 LINE INSERT LINE LINE CHANNEL 16 LINE INSERT LINE LINE

CHANNEL 17 LINE INSERT LINE LINE CHANNEL 18 LINE INSERT LINE LINE CHANNEL 19 LINE INSERT LINE LINE CHANNEL 20 LINE INSERT LINE LINE

CHANNEL 21 LINE INSERT LINE LINE CHANNEL 22 LINE INSERT LINE LINE CHANNEL 23 LINE INSERT LINE LINE CHANNEL 24 LINE INSERT LINE LINE

CHANNEL 25 LINE INSERT LINE LINE CHANNEL 26 LINE INSERT LINE LINE CHANNEL 27 LINE INSERT LINE LINE CHANNEL 28 LINE INSERT LINE LINE

CHANNEL 29 LINE INSERT LINE LINE CHANNEL 30 LINE INSERT LINE LINE CHANNEL 31 LINE INSERT LINE LINE CHANNEL 32 LINE INSERT LINE LINE

OUTPUT GROUPS 1 2 3 4

OUTPUT GROUPS 5 6 7 8

MONITOR RETURNS 9 10 11 12 13 14 15 16 PARALLEL PARALLEL

TAPE TRACKS
SND¹ RET SND² RET SND³ RET SND⁴ RET SND⁵ RET SND⁶ RET SND⁷ RET SND⁸ RET

TAPE TRACKS
SND⁹ RET SND¹⁰ RET SND¹¹ RET SND¹² RET SND¹³ RET SND¹⁴ RET SND¹⁵ RET SND¹⁶ RET

TAPE TRACKS
SND¹⁷ RET SND¹⁸ RET SND¹⁹ RET SND²⁰ RET SND²¹ RET SND²² RET SND²³ RET SND²⁴ RET

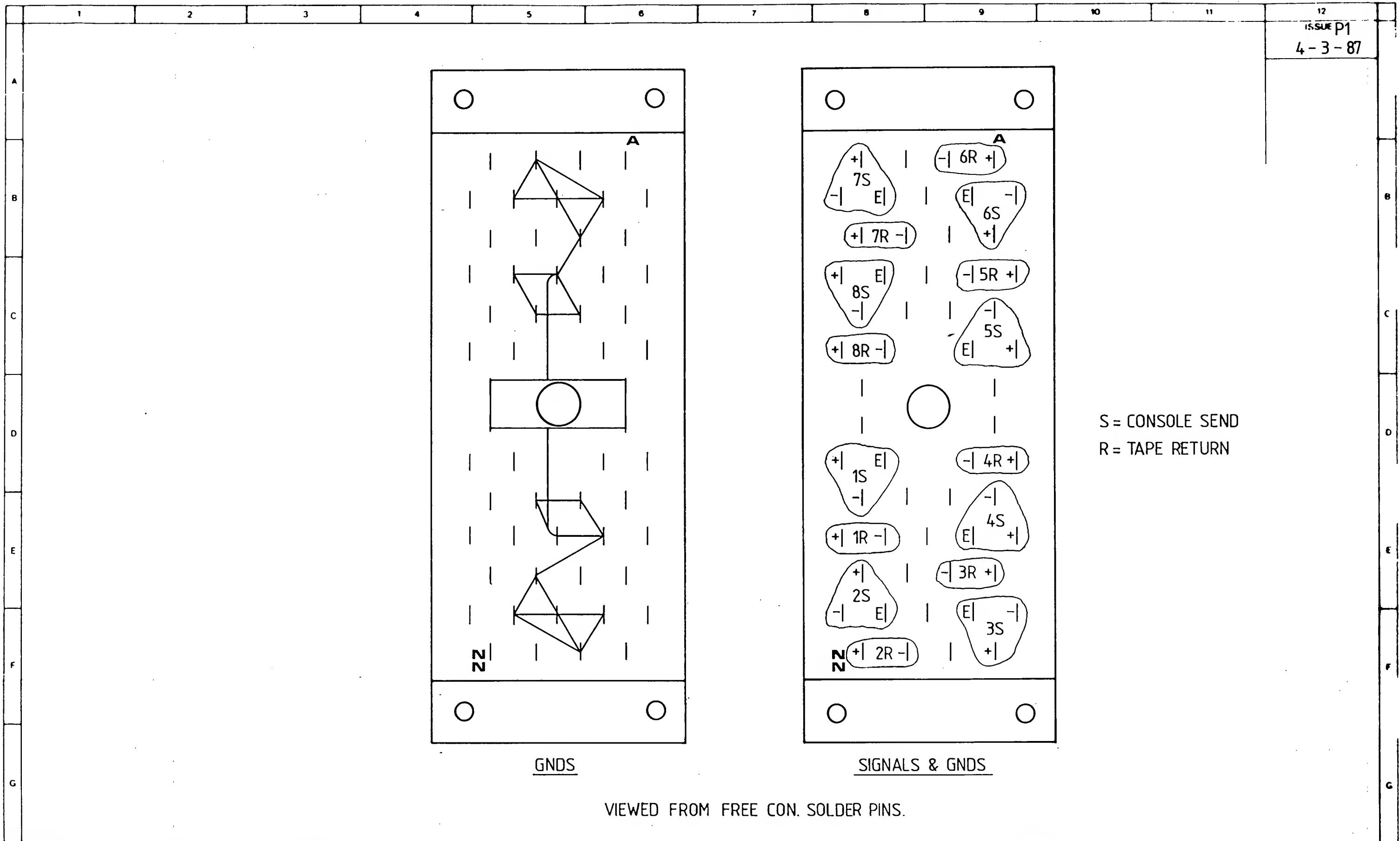
TIE LINES 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

TIE LINES 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

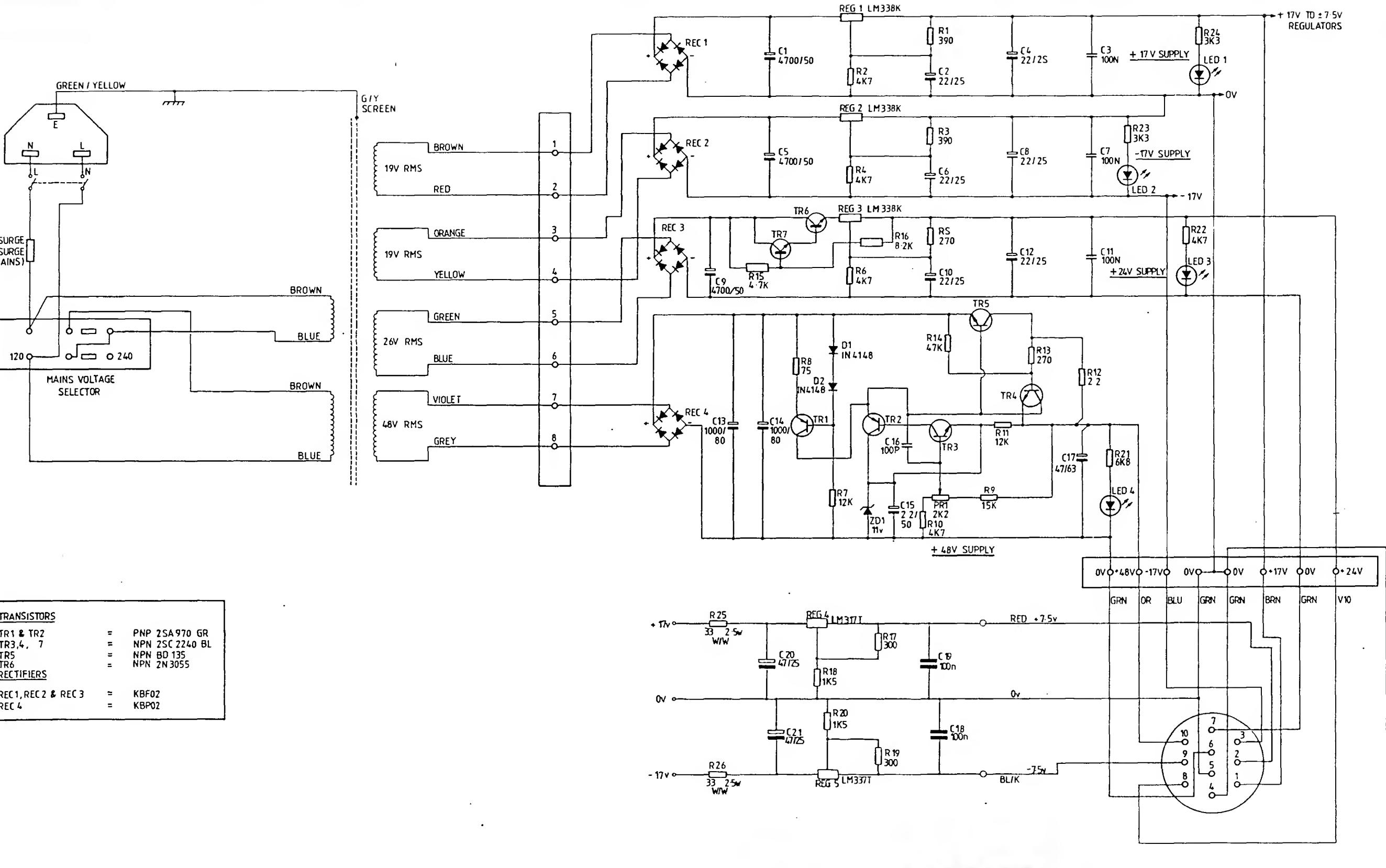
TIE LINES 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48

TIE LINES 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64

RECORDED BY: *[Signature]*
DATE: *[Signature]*
TIME: *[Signature]*
Tape Number: *[Signature]*
Page: *[Signature]*



TOLERANCES HOLE SIZES AFTER PIANTING		GENERAL TOLERANCE Delete where not applicable ± 0.00mm (0-020") ± 0.05mm (0-010") ± 0.12mm (0-030") ± 0.15mm (0-040") ± 0.18mm (0-050") ± 0.21mm (0-060") ± 0.25mm (0-070")		MATL BTB	DRN TRCD	SOUNDCRAFT ELECTRONICS LTD UNIT 2 BOREHAMWOOD INDUSTRIAL PARK ROWLEY LANE BOREHAMWOOD HERTFORDSHIRE WD6 5PZ TELEPHONE 01 207 5050 FACSIMILE No 2070194	TITLE TS12 TAPE I/O & 600 PATCH
OVER 3-6mm	± 0.00	ALL ANGLES ± 0.50°	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	FINISH	SCALE N.T.S.	THIRD ANGLE PROJECTION	DRG No MI2589
OVER 6-10mm	± 0.00	Unless otherwise stated				THIS DRAWING TO COMPLY TO BS308	
OVER 10-18mm	± 0.00						
OVER 18-25mm	± 0.00						
OVER 25mm	± 0.00						



VIEWED FROM SOLDER
PINS OF SMC CONNECTOR

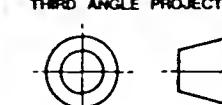
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NOTE

HOLE 1

TOUS

All imperial dimensions ± 0.010
All metric dimensions $\pm 0.25\text{mm}$
All angles $\pm 0.50^\circ$
Unless otherwise stated.



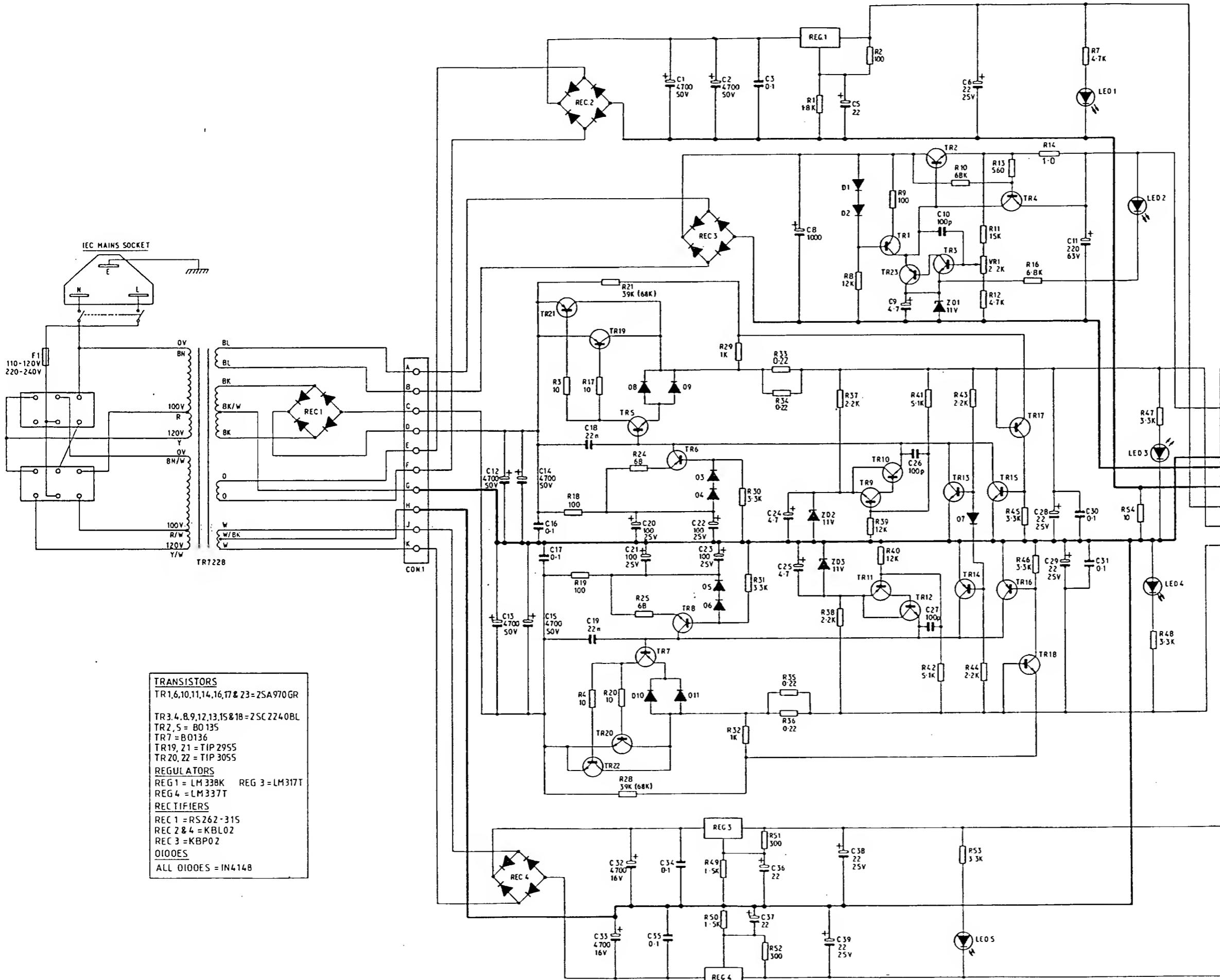
1

SOUNDCRAFT ELECTRONICS LTD.
5-8 GREAT SUTTON STREET
LONDON, E.C.1V. 0BX.
TELEPHONE. 01-251-3631/2/3
TELEGRAMS.. SOUNDCRAFT LDN. E
TELEX. UK No. 21198. USA No. 01-22

三

MEDIUM CONSOLE
POWER. SUPPLY
SC1584

DAG-Nr. ED 2208

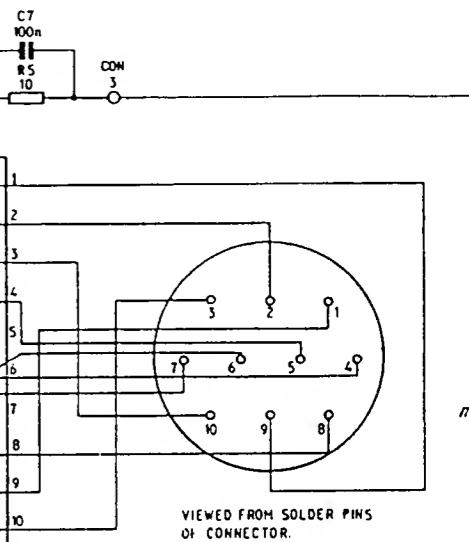


NOTE R14/10 REPLACES R4, R15 82 THIS CAN ONLY APPLY TO ISSUE 4 PCB'S OR THOSE USING BO135 IN TR2 POSITION

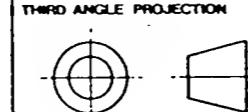
R21, R22
SUGGEST CHANGE ON LATER MODELS TO 68K

TR21,22 NOT FITTED BEFORE ISS 4 PCB MAINS GROUND CONNECTED TO CONSOLE BEFORE ISSUE 4 PCB.

NB Mains ground may be brought up to console by placing a link across RS



PSU CABLE CONNECTIONS		
PIN	VOLTAGE	COLOUR
1	+18V	BROWN
2	+7.5V	PINK
3	-18V	BLUE
4	OV	GREEN/YELLOW
5	OV	YELLOW
6	OV (FOR 48V)	GREEN
7	OV (FOR 24V)	WHITE
8	+24V	VIOLET
9	-7.5V	BLACK
10	+48V	ORANGE



NOTES
 All resistors in ohms.
 All capacitors in microfarads, unless otherwise stated.
 R33, 34, 35, 36 all 2.5W wirewound.
 FOR PART NO. GD0336

TOLERANCE
 All imperial dimensions ± 0.01
 All metric dimensions $\pm 0.25\text{mm}$
 All angles $\pm 0.50^\circ$
 Unless otherwise stated

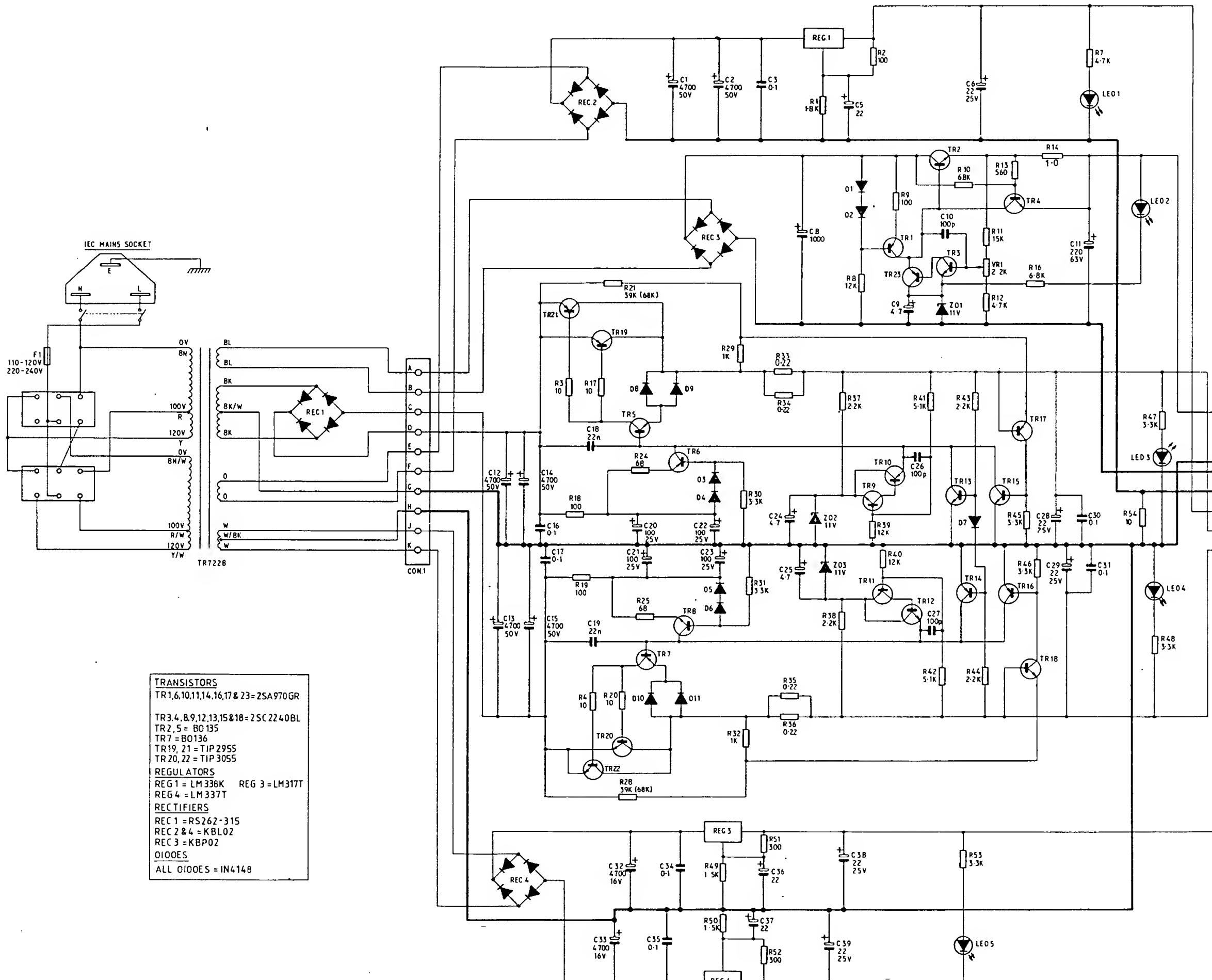
HOLE INDEX

MATL _____
 FINISH _____
 SCALE _____

DRN
MARK
TRCD
CHKD

SOUNDCRAFT ELECTRONICS LTD
 5-8 GREAT SUTTON STREET
 LONDON EC1V 0BX
 TELEPHONE: 01-251-3631/2/3
 TELEGRAMS: SOUNDCRAFT LDN EC1
 TELEY 'MC' NO. 21198, USA NO. 224408

TITLE
 POWER SUPPLY CIRCUIT DIAGRAM
 (SC1218 Iss 4)
 DRG. NO. EO 2093

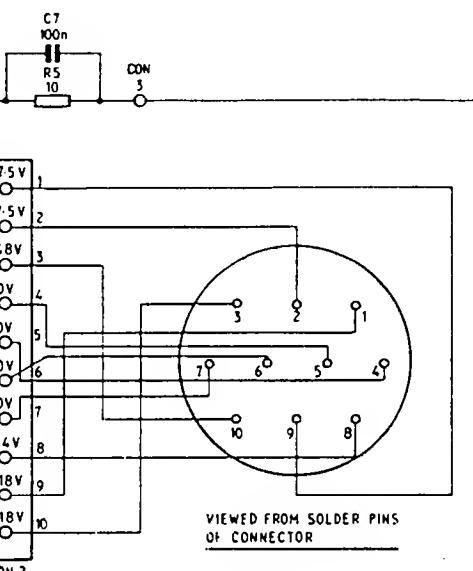


NOTE R14/10 REPLACES R14,R15 8.2 THIS CAN ONLY APPLY TO ISSUE 4 PCB'S OR THOSE USING BD135 IN TR2 POSITION

R21, R28
 SUGGEST CHANGE ON LATER MODELS TO 68K

TR21,22 NOT FITTED
 BEFORE ISS 4 PCB
 MAINS GROUND CONNECTED TO CONSOLE BEFORE ISSUE 4 PCB

NB Mains ground may be brought up to console by placing a link across R5



PSU CABLE CONNECTIONS		
PIN	VOLTAGE	COLOUR
1	+18V	BROWN
2	+7.5V	PINK
3	-18V	BLUE
4	0V	GREEN/YELLOW
5	0V	YELLOW
6	0V (FOR 48V)	GREEN
7	0V (FOR 24V)	WHITE
8	+24V	VIOLET
9	-7.5V	BLACK
10	+48V	ORANGE



NOTES
 All resistors in ohms.
 All capacitors in microfarads, unless otherwise stated.
 R33, 34, 35, 36 all 2.5W wirewound.
 FOR PART No. GD0336

TOLERANCE
 All imperial dimensions ± 0.01
 All metric dimensions ± 0.25 mm
 All angles $\pm 0.50^\circ$
 Unless otherwise stated

HOLE INDEX
 —

MATL
 —
 FINISH
 —
 SCALE
 —

DRW MARK
 TRCD
 CHKD

SOUNDCRAFT ELECTRONICS LTD
 5-8 GREAT SUTTON STREET
 LONDON EC1V. 0BX.
 TELEPHONE: 01-251-3631/2/3
 TELEGRAMS: SOUNDCRAFT LDN EC1
 TELEX: UK No. 21198, USA No. 224406

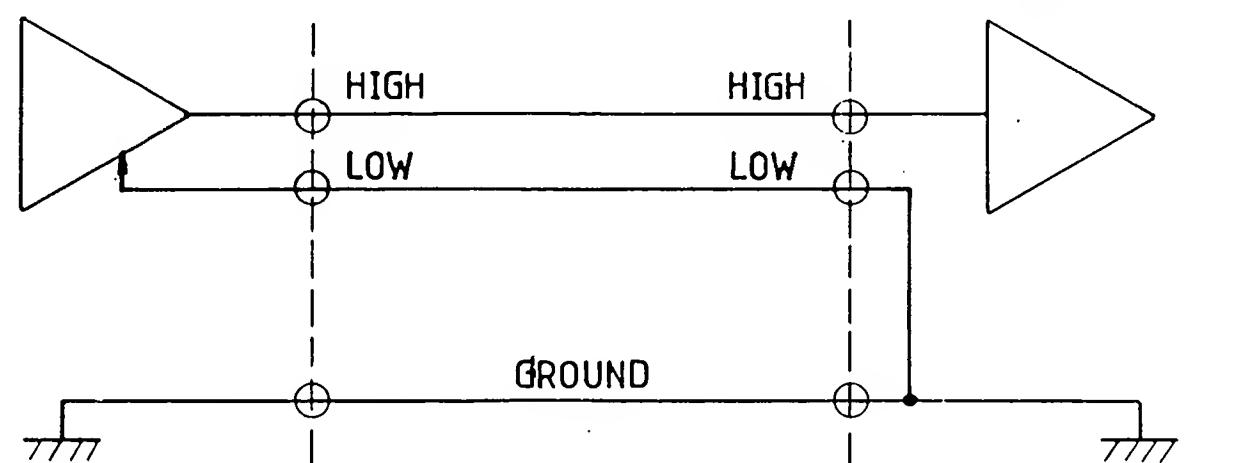
TITLE
 POWER SUPPLY CIRCUIT DIAGRAM (SC1218 ISS.4)
 DRG. NO. E0 2093

A B C D E F G H J K L M

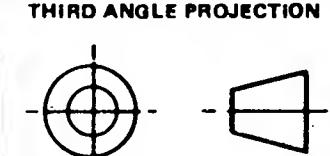
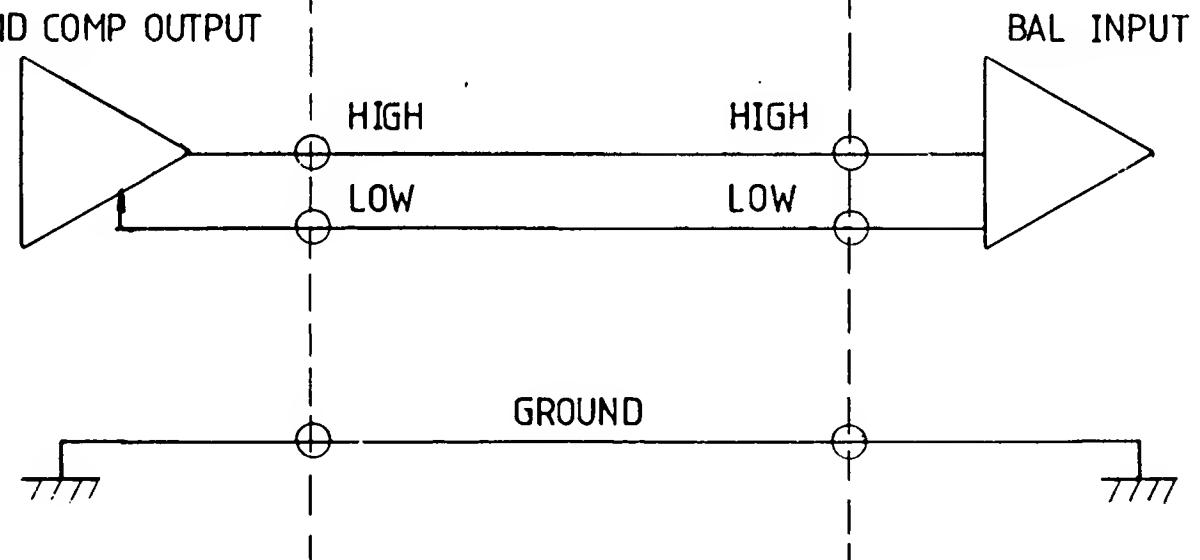
ISSUE 1
28-2-85

WIRING FOR GROUND COMPENSATED OUTPUT

GND COMP OUTPUT



GND COMP OUTPUT



TOLERANCE

All imperial dimensions ± 0.010
All metric dimensions $\pm 0.25\text{mm}$
All angles $\pm 0.50^\circ$
Unless otherwise stated

HOLE INDEX

MATL

DRN

GS

FINISH

TRCD

AB

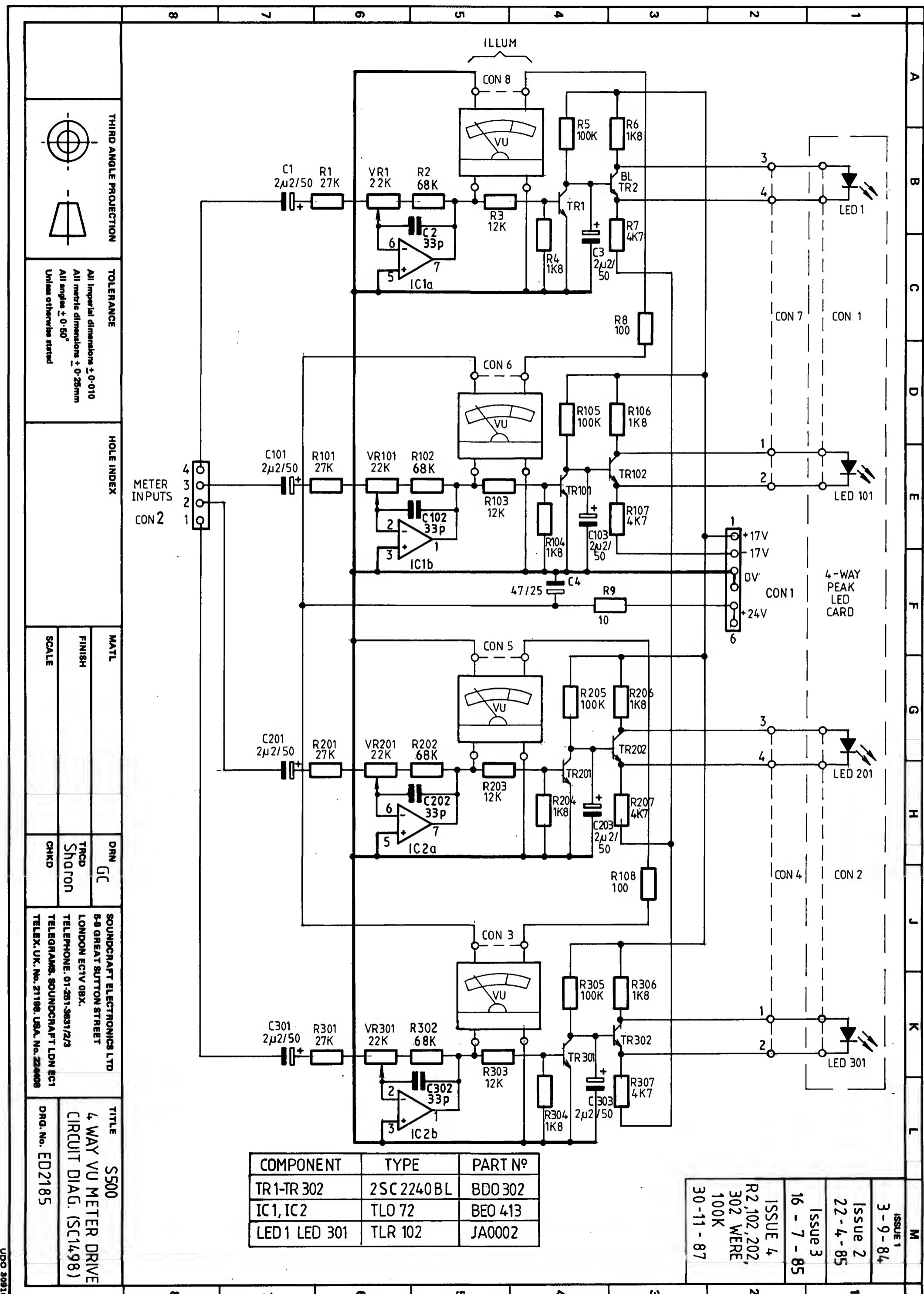
SCALE

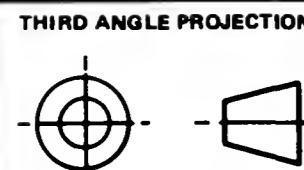
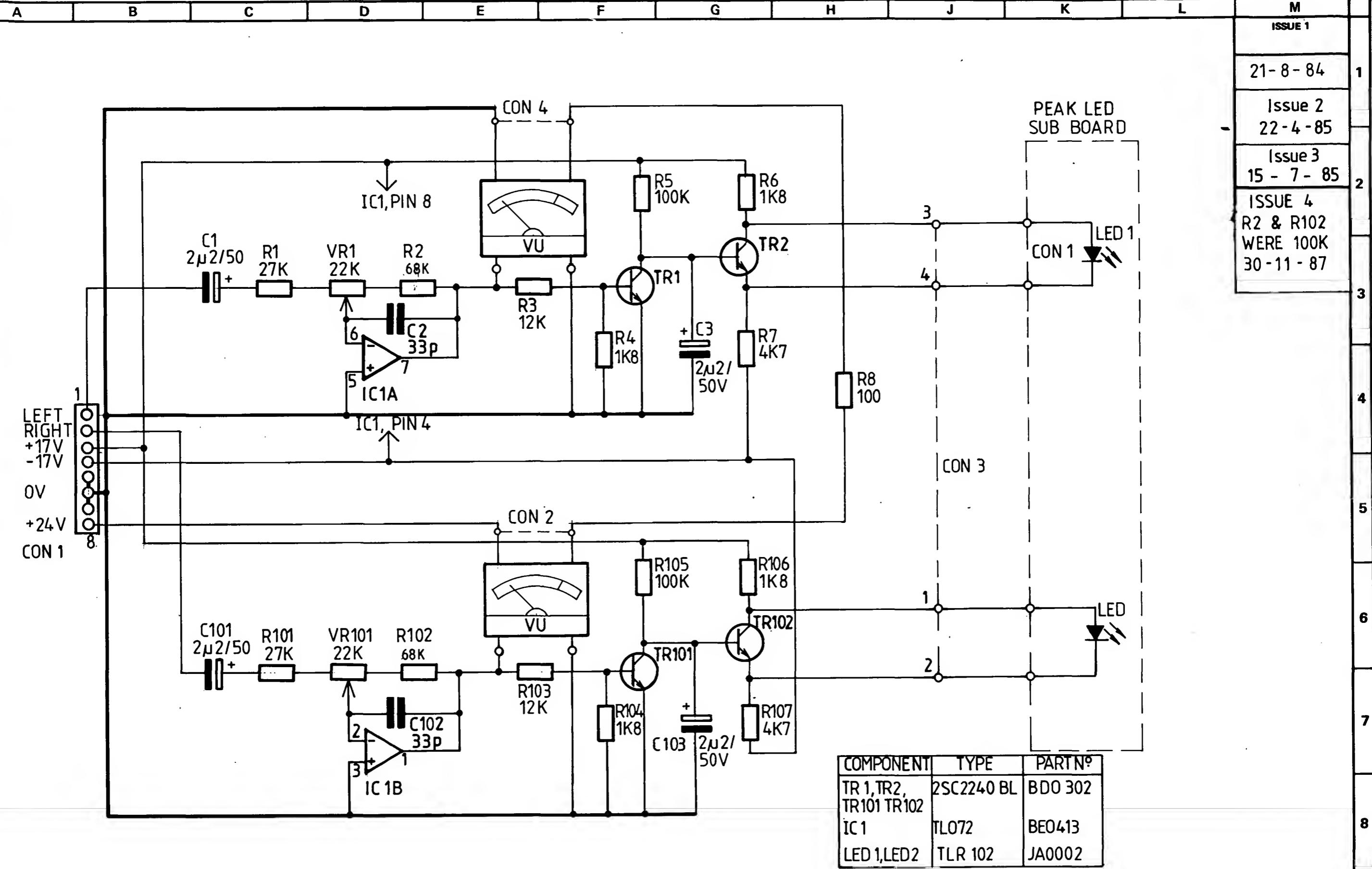
CHKD

SOUNDCRAFT ELECTRONICS LTD
5-8 GREAT BUTTON STREET
LONDON EC1V 0BX.
TELEPHONE. 01-251-3631/2/3
TELEGRAMS. SOUNDCRAFT LDN EC1
TELEX. UK. No. 21198. USA. No. 224408

TITLE WIRING FOR
GND COMP O/P

DRG. No. MI 2426

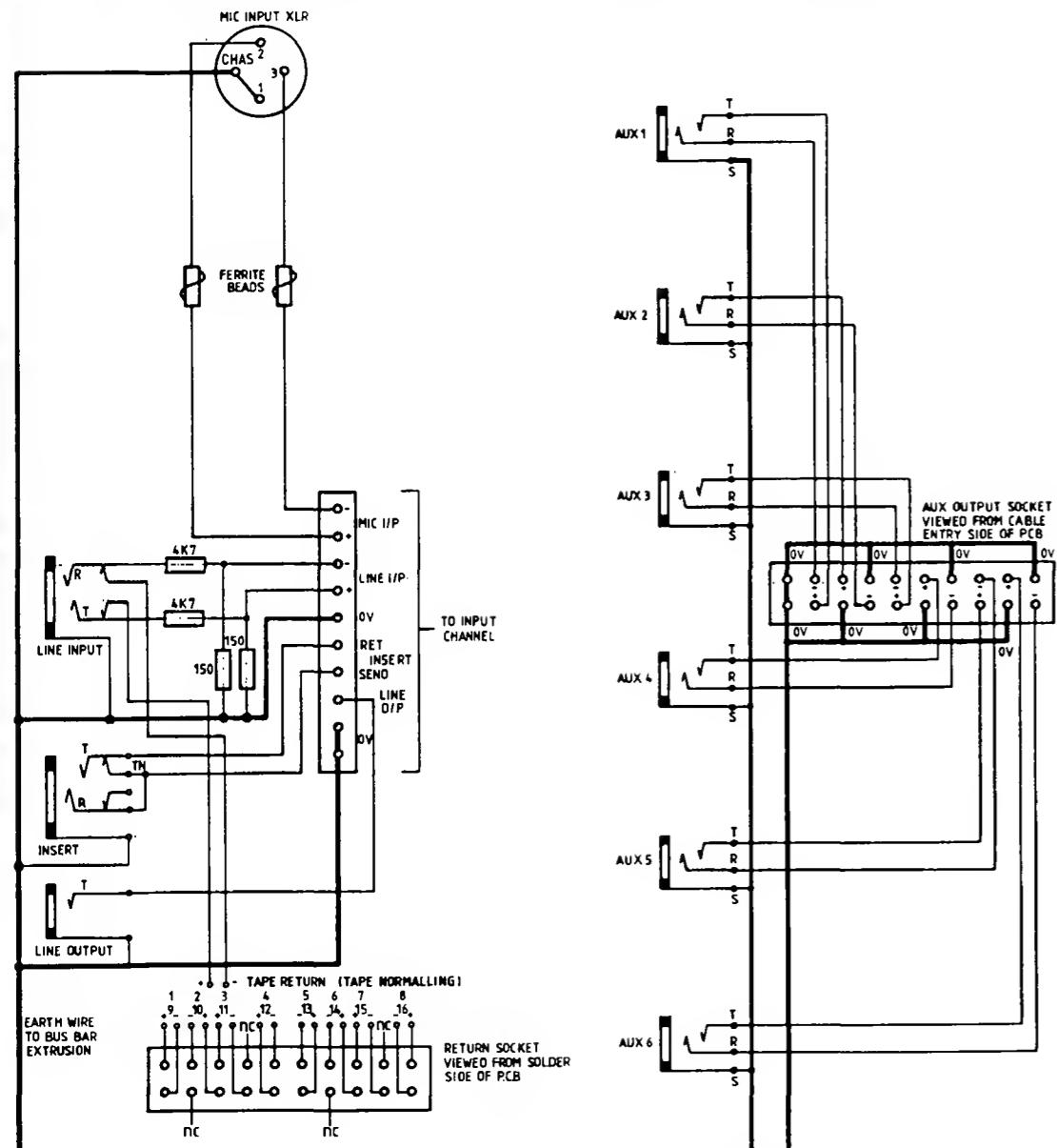



TOLERANCE

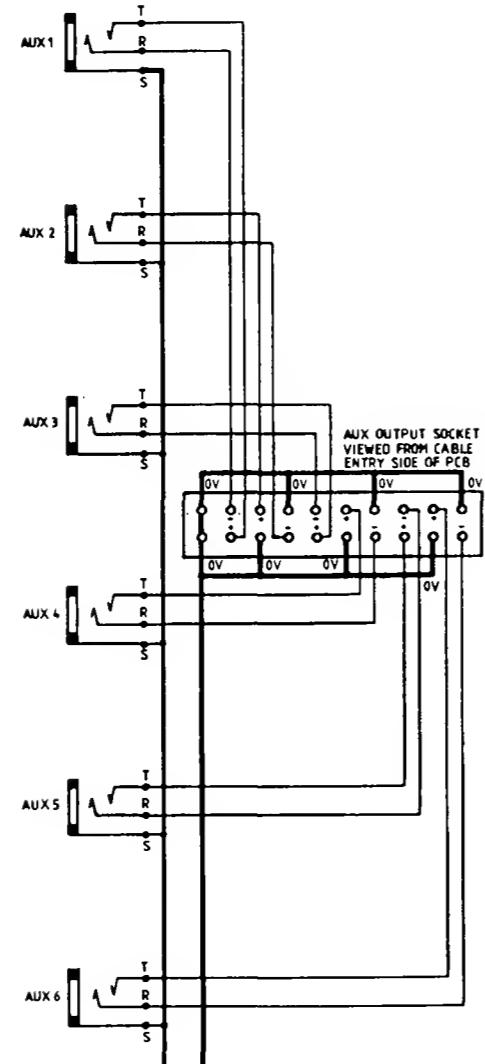
All Imperial dimensions ± 0.010
 All metric dimensions $\pm 0.25\text{mm}$
 All angles $\pm 0.50^\circ$
 Unless otherwise stated

HOLE INDEX
MATL
DRN
SOUNDCRAFT ELECTRONICS LTD
5-8 GREAT SUTTON STREET
LONDON EC1V 0BX.
TELEPHONE. 01-251-3631/2/3
TELEGRAMS. SOUNDCRAFT LDN EC1
TELEX. UK. No. 21198. USA. No. 224408
**TITLE S500/S600
MASTER METER DRIVE
CIRCUIT DIAGRAM**
DRG. No. ED2181

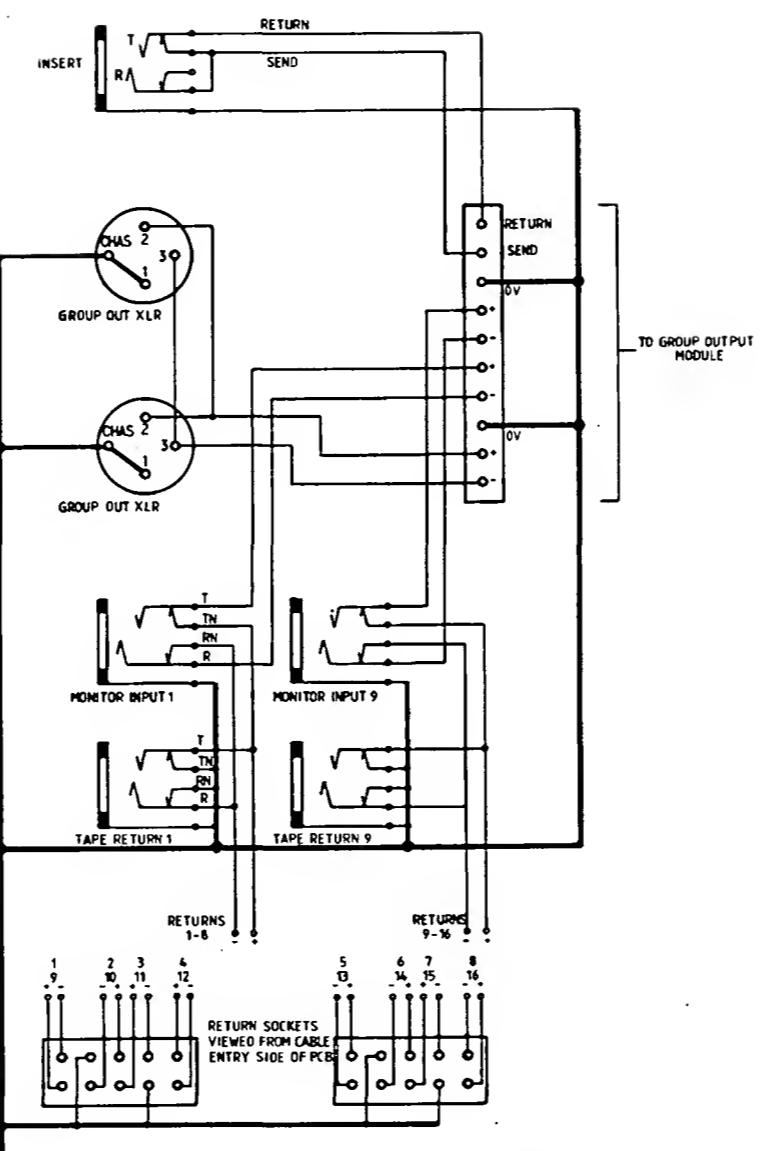
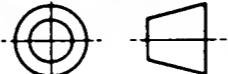
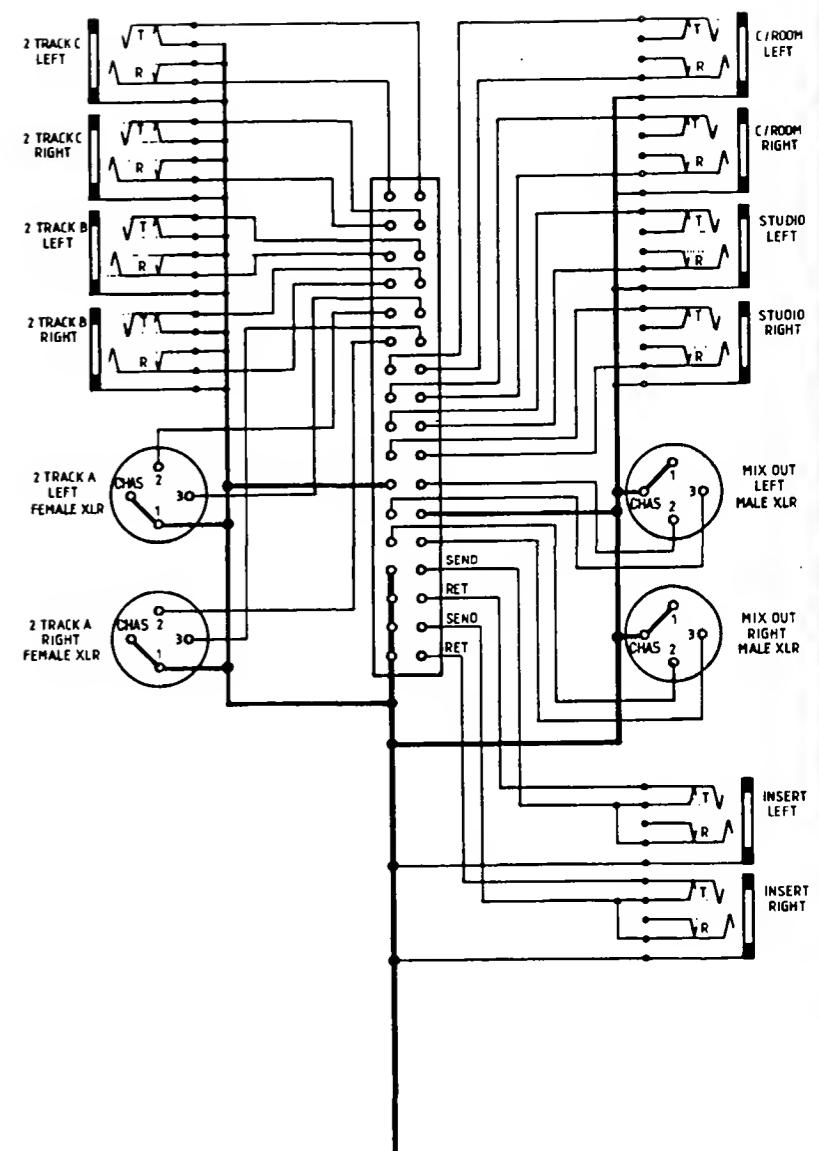
INPUT REAR CONN. (One of eight sections shown)



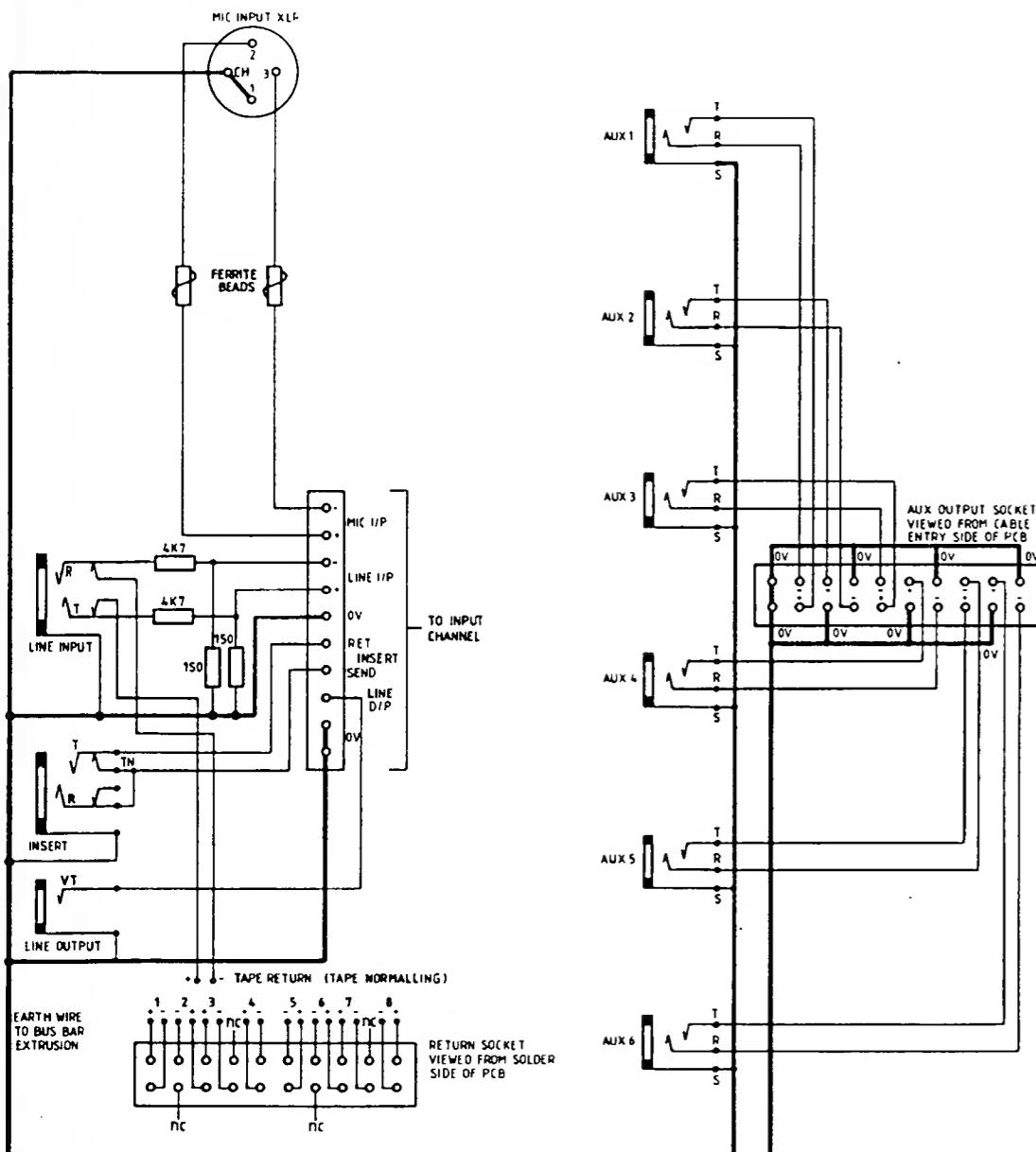
AUX OUTPUT (On group rear conn. card)



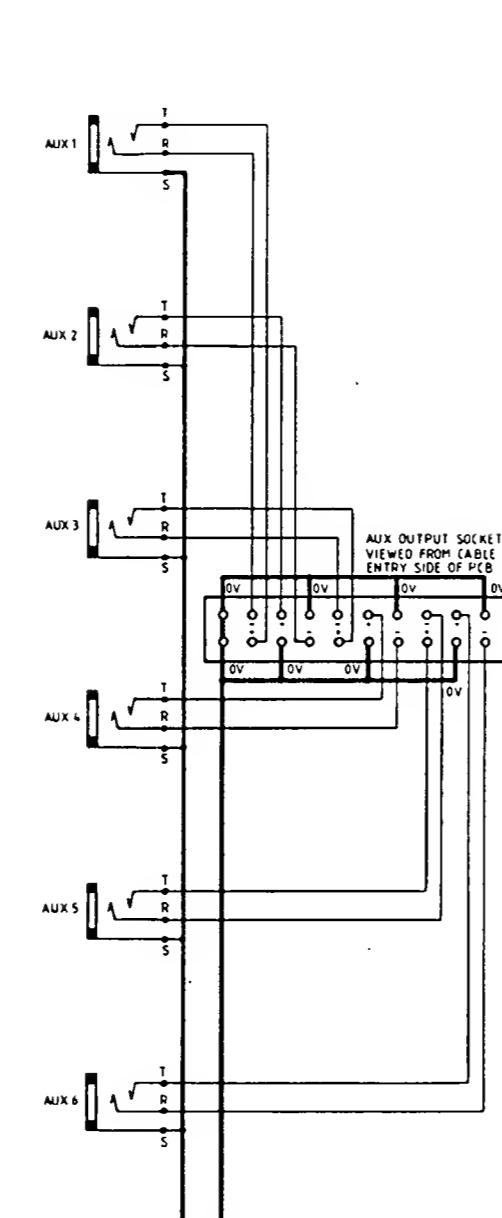
GROUP OUTPUT (1 of 8)

MASTER REAR CONN.
(Connector viewed from cable entry side of PCB)

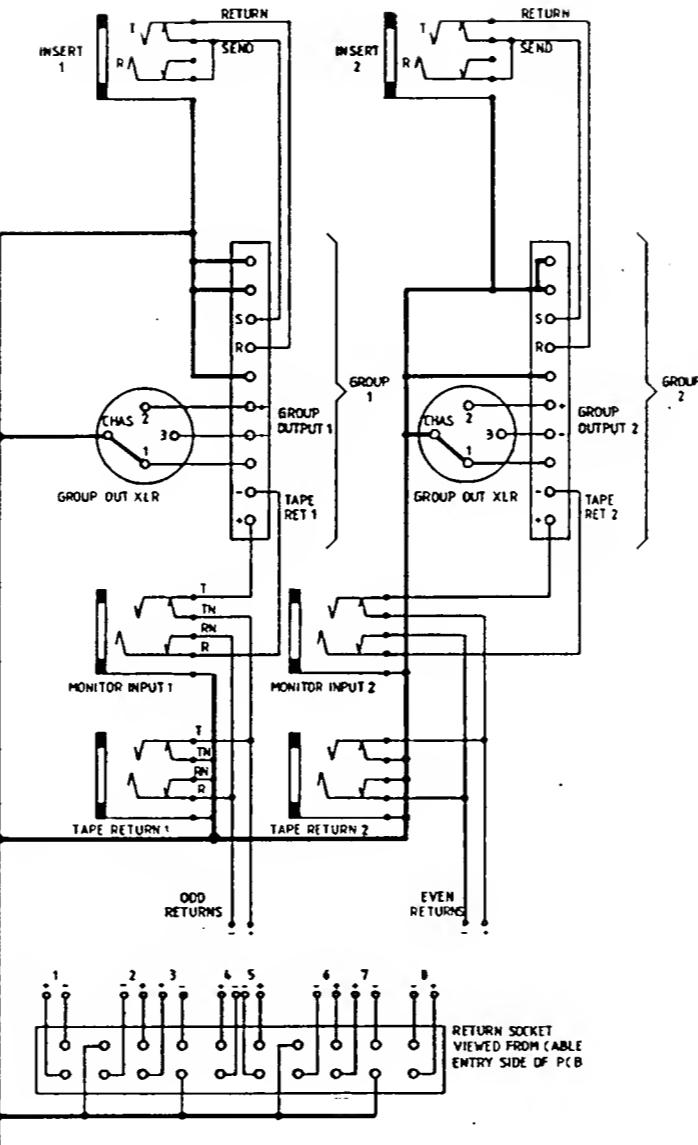
INPUT REAR CONN. (One of eight sections shown)



AUX OUTPUT (On group rear conn. card)



GROUP OUTPUT (1 of 8)

MASTER REAR CONN.
(Connector viewed from cable entry side of PCB)